

NOTES:

1. NON-IMPACT RESISTANT GLAZING OPTION – .090” MINIMUM SSB GLAZING IN MOLDED FRAMES GLUED WITH A 1/8” BEAD OF BOSTIK 1100 OR EQUIVALENT UNDER THE OUTER FRAME AND SCREWED TOGETHER WITH A MINIMUM OF (6) #8x1” SCREWS INSTALLED IN TOP OR INTERMEDIATE SECTION (WITH OR WITHOUT DECORATIVE INSERTS) MEETS UNIFORM STATIC DESIGN PRESSURES SHOWN ON THIS DRAWING. GLAZING SHALL HAVE A MAXIMUM HEIGHT OF 13.75” AND A MAXIMUM LENGTH OF 16.75”. GLAZING IS NOT IMPACT RESISTANT AND DOES NOT MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS REGIONS. GLAZED SECTION REQUIRES 18 GA J-STRUT SCREWED TO LOWER INTEGRAL RIB OF SECTION AND OPERATOR STILE TO BE FACTORY INSTALLED. INSTALLER SHALL FIELD INSTALL (1) 1/4-14x7/8” SELF DRILLING CRIMPTITE SCREW TO ATTACH THE J-STRUT TO THE INTEGRAL RIB AND OPERATOR STILE AT THE CENTERLINE OF THE DOOR PER DETAIL F ON SHEET 2.

2. IMPACT RESISTANT GLAZING OPTION – IMPACT RESISTANT GLAZING SYSTEM MAY BE INSTALLED IN TOP OR INTERMEDIATE SECTION (WITH OR WITHOUT DECORATIVE INSERTS). GLAZING SHALL BE 1/4” MAKROLON-AR POLYCARBONATE OR EQUAL. GLAZING SHALL HAVE A MAXIMUM HEIGHT OF 15.21” AND A MAXIMUM LENGTH OF 50.08”. GLAZING IS IMPACT RESISTANT AND DOES MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS REGIONS. SEE DETAIL H ON SHEET 2 FOR ASSEMBLY DETAILS. GLAZED SECTION REQUIRES REINFORCEMENT BRACKETS ATTACHED TO U-BAR ON UPPER INTEGRAL RIB (SEE DETAIL J SHEET 2), 18 GA J-STRUT SCREWED TO LOWER INTEGRAL RIB OF SECTION AND OPERATOR STILE TO BE FACTORY INSTALLED. INSTALLER SHALL FIELD INSTALL (1) 1/4-14x7/8” SELF DRILLING CRIMPTITE SCREW TO ATTACH THE J-STRUT TO THE INTEGRAL RIB AND OPERATOR STILE AT THE CENTERLINE OF THE DOOR. INSTALLER SHALL FIELD INSTALL (1) 1/4-14x7/8” SELF DRILLING CRIMPTITE SCREW TO ATTACH THE J-STRUT TO THE INTEGRAL RIB AND OPERATOR STILE AT THE CENTERLINE OF THE DOOR PER DETAIL F ON SHEET 2.

3. VINYL OR WOOD DOOR STOP NAILED A MAXIMUM OF 6” O.C. MUST OVERLAP TOP AND BOTH ENDS OF PANELS MINIMUM 7/16” TO MEET NEGATIVE PRESSURES.

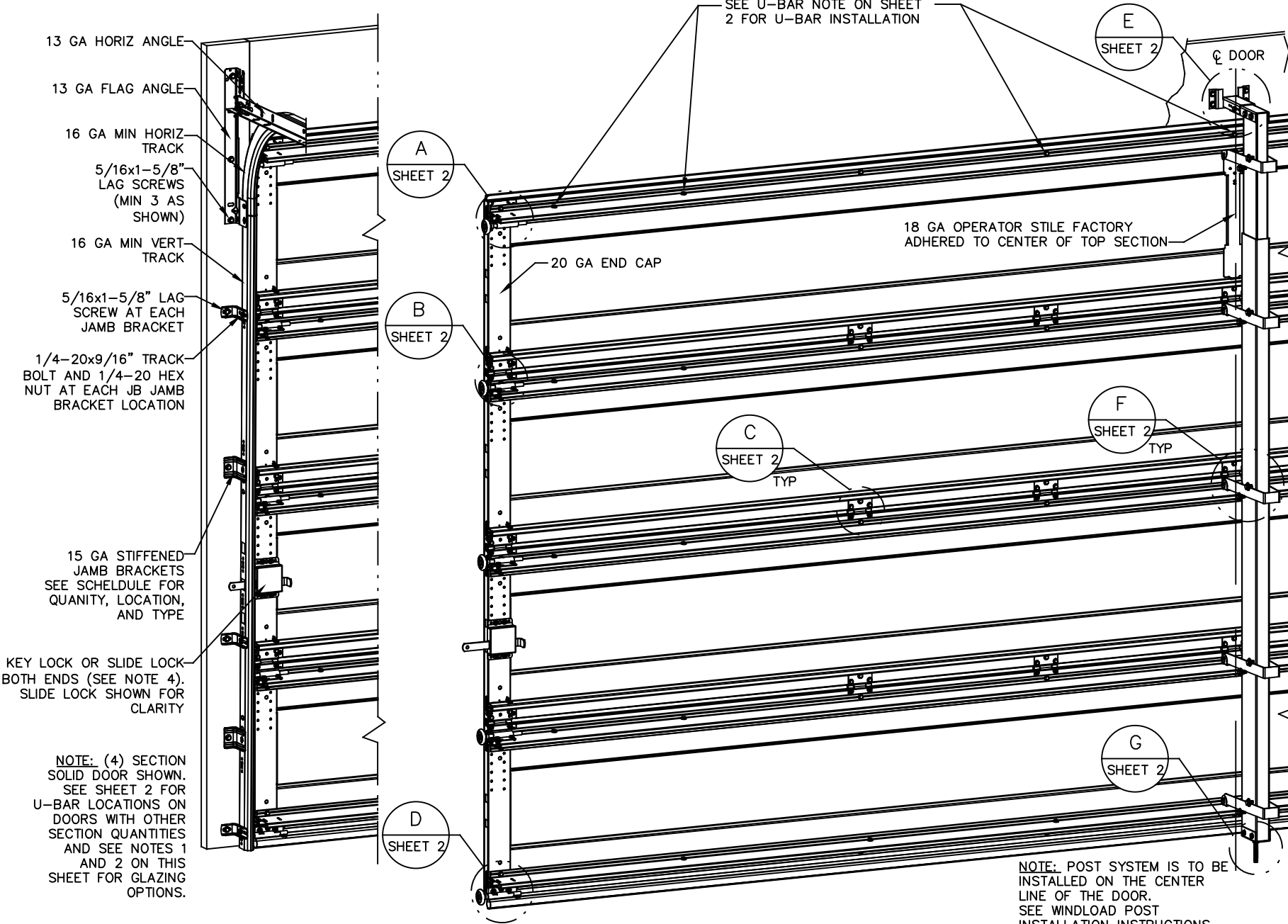
4. KEY LOCK OR SLIDE LOCKS REQUIRED.

5. SECTION SHALL BE CONSTRUCTED WITH FOAMED IN PLACE POLYURETHANE FOAM INSULATION CHEMICALLY BONDED TO 30 GA MINIMUM FACER STEEL AND A POLYLAMINATE BACKER, OR 32 GA STEEL BACKER. END CAP TO HAVE A MINIMUM 1.1” DEPTH.

6. THE DESIGN OF THE SUPPORTING STRUCTURAL ELEMENTS SHALL BE THE RESPONSIBILITY OF THE PROFESSIONAL OF RECORD FOR THE BUILDING OR STRUCTURE AND IN ACCORDANCE WITH CURRENT BUILDING CODES FOR THE LOADS LISTED ON THIS DRAWING.

7. DOOR JAMB TO BE MINIMUM 2x6 STRUCTURAL GRADE LUMBER. REFER TO JAMB CONNECTION SUPPLEMENT FOR ATTACHMENT TO SUPPORTING STRUCTURE.

8. LOUVER OPTION – .040” MINIMUM LOUVERS IN MOLDED FRAMES SCREWED TOGETHER WITH A MINIMUM OF (6) #8x1” SCREWS INSTALLED IN THE BOTTOM SECTION. LOUVERS ARE NOT IMPACT RESISTANT AND DO NOT MEET THE REQUIREMENTS FOR WIND-BORNE DEBRIS REGIONS. LOUVERED SECTION REQUIRES OPERATOR STILE TO BE FACTORY INSTALLED AT THE CENTERLINE OF THE DOOR.



REVISIONS	
P1 REVISED SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE MRB 5/10/06	
P2 ADDED SHORT PANEL GLAZING OPTION (NOTE 1) GRT 6/30/06	
P3 ADDED IMPACT RESISTANCE TO DOOR. ADDED JB JAMB BRACKET AT 2" LOCATION. MODIFIED NOTE 9 TO STATE THAT LOUVERS ARE NOT IMPACT RESISTANT. GRT 6/6/07	
P4 MODIFED JAMB BRACKET SCHEDULE FOR FAT OPTION. ADDED LHR TRACK DETAIL SHEET 2. GRT 4/17/08	
P5 ADDED IMPACT RESISTANT GLAZING. ADDED CONCRETE DETAIL SHEET 2. ADDED TEXAS LICENSE NUMBER TO TITLE BLOCK. CHANGED LOUVER NOTE. ADDED HIGH LIFT AND ROOF PITCH TRACK NOTE. GRT 7/22/08	
P6 UPDATED TITLE BLOCK GRT 8/26/10	
P7 ER31526 ADDED 9605, AND BACKER NOTES ESC 5/23/17	
F UPDATED REVISION FROM NUMERIC TO ALHPA TLC 092920	

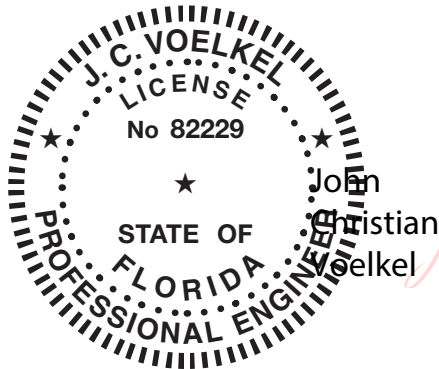
JAMB BRACKET SCHEDULE				
DOOR HEIGHT	NO. OF SECTIONS	NO. OF JAMB BRACKETS (EACH JAMB)	TRACK TYPE	LOCATION OF CENTERLINE OF JAMB BRACKETS MEASURED FROM BOTTOM OF TRACK (ALL DIMENSIONS ± 2")
7'-0"	4	5	QI	2" (JB), 13" (QI), 25-1/2" (JB), 45-1/4" (QI), 63" (JB)
7'-0"	4	5	FAT	2" (JB), 10" (JB), 25-3/4" (JB), 42" (JB), 63-1/4" (JB)
8'-0"	5	6	QI	2" (JB), 13" (QI), 23" (JB), 34" (JB), 47-1/4" (QI), 67" (QI)
8'-0"	5	6	FAT	2" (JB), 10" (JB), 21-3/4" (JB), 29-3/4" (JB), 48" (JB), 66" (JB)
> 8'-0"/HIGH LIFT/ROOF PITCH				SEE NOTE BELOW

SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE			
MAX DOOR WIDTH	MAX DOOR HEIGHT	UNIFORM LOAD EACH JAMB (PLF)	POINT LOAD AT HEADER AND SLAB AT EACH POST LOCATION (LBS)
18'-0"	7'-0"	+126.1/-167.3	+1237.5/-1381.9
	8'-0"	+126.1/-167.3	+1406.3/-1570.3

NOTE:
(JB) FOLLOWING DIMENSION DENOTES SLOTTED JAMB BRACKET ATTACHED TO TRACK WITH 1/4-20x9/16" TRACK BOLT AND NUT.

(QI) FOLLOWING DIMENSION DENOTES QUICK INSTALL JAMB BRACKET INSTALLED IN BUTTERFLY SLOT. NO ADDITIONAL HARDWARE NEEDED TO ATTACH TO TRACK.

ALL DOORS WITH HIGH LIFT AND/OR ROOF PITCH REQUIRE USE OF CONTINUOUS WALL ANGLE. SEE SUPPLEMENT TRACK CHART FOR DETAILS.



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by John Christian
Voelkel
Date: 2020.10.09
19:08:21 -05'00'



A DIVISION OF OVERHEAD DOOR CORP
3395 ADDISON DRIVE
PENSACOLA, FLORIDA 32514
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STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: A	
DESIGN (PSF):	+30.00/−33.50	MAX WIDTH:	18′−0″		DATE	NAME	
TEST (PSF):	+45.00/−50.25	MAX HEIGHT:	8′−0″	DRAWN	3/3/06	GRT	
IMPACT/CYCLIC RATED (YES/NO): YES		MAX SECTION HEIGHT: 21″		CHECKED	4/6/06	MRB	
MODELS 5120/9100/9605					SHEET 1 OF 2		
WINDLOAD SPECIFICATION OPTION CODE 0236					DRAWING PART NO.		REV.
					319024		F

13 GA ADJUSTABLE TOP
FIXTURE ATTACHED TO
PRE-PUNCHED HOLES
IN BOTTOM OF U-BAR
WITH (2) 1/4-14x5/8"
CRIMPTITE SCREWS

DETAIL A

13 GA ROLLER SLIDE ATTACHED TO
PRE-PUNCHED HOLES IN TOP OF U-BAR
WITH (2) 1/4-14x5/8" CRIMPTITE SCREWS.
USE VIEWING HOLE IN SLIDE TO ENSURE
PROPER ALIGNMENT OF ROLLERS

15 GA HINGE ATTACHED
WITH (4) 1/4-14x5/8"
CRIMPTITE SCREWS (2 OF
WHICH ARE FACTORY
ATTACHED)

DETAIL B

18 GA HINGE ATTACHED
WITH (5) 1/4-20x5/8"
CRIMPTITE SCREWS AND (1)
1/4-14x7/8" SELF DRILLING
CRIMPTITE SCREW (2 OF
WHICH ARE FACTORY
ATTACHED, 3 OF WHICH ARE
FIELD INSTALLED INTO TOP
LEAF, AND 1 OF WHICH IS
FIELD INSTALLED THRU
PRE-PUNCHED HOLE IN
U-BAR)

DETAIL C

12 GA BOTTOM BRACKET
FACTORY ATTACHED WITH
(3) 1/4-14x5/8"
CRIMPTITE SCREWS

DETAIL D

FOR IMPACT RESISTANCE,
BOTTOM BRACKET MUST BE
SCREWED TO THE BOTTOM
U-BAR WITH
(2) 1/4-14x7/8" SELF
DRILLING CRIMPTITE SCREWS.
SEE IMPACT BOTTOM BRACKET
DETAIL THIS SHEET.

PLACE U-BAR OVER INTEGRAL RIB
WITH THE (8) PRE-PUNCHED
HOLES EACH END FACING UPWARD
AND ATTACH THRU END CAP AT
EACH END WITH (2) 1/4-14x7/8"
SELF DRILLING CRIMPTITE SCREWS
FOR STANDARD TRACK AND (3)
1/4-14x7/8" SELF DRILLING
CRIMPTITE SCREWS FOR LOW
HEADROOM TRACK (2 OF WHICH
ARE USED TO ATTACHED THE TOP
BRACKET AS SHOWN).

PLACE U-BAR OVER INTEGRAL
RIB WITH THE (8) PRE-PUNCHED
HOLES EACH END FACING UPWARD
AND ATTACH THRU END CAP AT
EACH END WITH (2) 1/4-14x7/8"
SELF DRILLING CRIMPTITE SCREWS
EXCEPTION: U-BAR PLACED
OVER TOP RIB ON THE BOTTOM
SECTION SHALL ONLY BE
ATTACHED THRU END CAP AT
EACH END WITH (1) 1/4-14x7/8"
SELF DRILLING CRIMPTITE SCREW
LOCATED ON THE BOTTOM FLANGE
OF THE U-BAR

NOTE: DUE TO CLEARANCES
REQUIRED TO INSTALL SCREWS AT
THE ENDS OF THE U-BARS, ALL
U-BARS SHALL BE INSTALLED ON
SECTIONS PRIOR TO INSTALLING
ROLLER SLIDES AND TOP FIXTURE
ON THE U-BARS. SEE
ATTACHMENT NOTES ON THIS
SHEET.

PLACE U-BAR OVER INTEGRAL
RIB AND ATTACH WITH (2)
1/4-20x5/8" CRIMPTITE SCREWS
THRU PRE-PUNCHED HOLES AT
EACH INTERMEDIATE HINGE
LOCATION (1 THRU FLANGE OF
U-BAR AND BOTTOM HINGE LEAF
AND 1 THRU WEB OF U-BAR AND
INTEGRAL RIB OF SECTION)
EXCEPTION: AT ALL LOCATIONS
REQUIRING A STRAP BRACKET, (1)
1/4-14x7/8" SELF DRILLING
CRIMPTITE SCREW WILL BE USED.

#8x3/4" MIN STAINLESS
SCREWS WITH STAINLESS
BACKED RUBBER WASHERS
3-1/2" O.C. MAX

1/8" BEAD GE
ULTRAGLAZE
SSG4000AC
STRUCTURAL
SEALANT OR
EQUIVALENT

FACER STEEL

NON-STRUCTURAL
DECORATIVE INNER
WINDOW TRIM

LOW HEADROOM TRACK

DETAIL A

USED ONLY ON IMPACT
GLAZED SECTION - 11
GA REINFORCEMENT
BRACKET ATTACHED
WITH (4) 1/4-14x7/8"
SELF DRILLING
CRIMPTITE SCREWS (2
THROUGH BOTH
BRACKET AND U-BAR)

DETAIL J

(1) 1/4-14x7/8" SELF DRILLING CRIMPTITE
SCREW AT CENTER LINE OF DOOR THRU
J-STRUT & OPERATOR BRACKET.
NOTE: J-STRUT & SCREW ONLY REQUIRED
ON GLAZED SECTIONS. SEE NOTES 1 & 2
SHEET 1

(3) 1/4-14x7/8"
SELF DRILLING
CRIMPTITE SCREWS

STRAP
BRACKET

5/16"
HITCH PIN

(2) 5/16-12x1"
SELF DRILLING
SCREWS W/ 5/16
FLAT WASHERS

DETAIL F

1/2-13x3-1/2"
HEX BOLT & NUT

(4) 5/16-12x1"
SELF DRILLING
SCREWS

DETAIL G

ALUMINUM
POST

BOTTOM
LOCK
PLATE

13 GA ADJUSTABLE
TOP FIXTURE

HEADER
HEADER LOCK
BRACKET

(4) 5/16x1-5/8"
LAG SCREWS

5/16-18x2-1/2"
HEX BOLT & NUT

ATTACH BOTTOM BRACKET
TO BOTTOM U-BAR WITH (2)
1/4-14x7/8" SELF DRILLING
CRIMPTITE SCREWS

IMPACT BOTTOM BRACKET

(1) 1/4-14x7/8" SELF
DRILLING CRIMPTITE
SCREW EACH SIDE OF
STRAP BRACKET (ONLY
REQUIRED ON IMPACT
GLAZED DOOR)

2500 PSI MIN
CONCRETE

8" X 8" MIN
TURNDOWN
SLAB AT EDGE

CONCRETE DETAIL

6" MIN
EDGE
DISTANCE

(5) SECTION DOORS
WITH (6) 3", 20 GA,
80 KSI U-BARS
LOCATED OVER
INTEGRAL RIBS AS
SHOWN

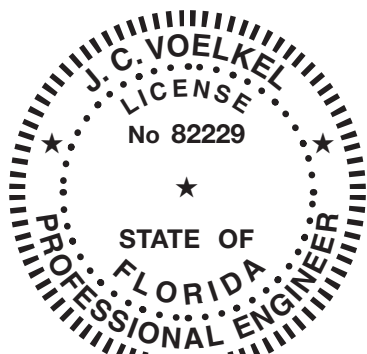
(4) SECTION DOORS
WITH (5) 3", 20 GA,
80 KSI U-BARS
LOCATED OVER
INTEGRAL RIBS AS
SHOWN

U-BAR ATTACHMENT NOTES

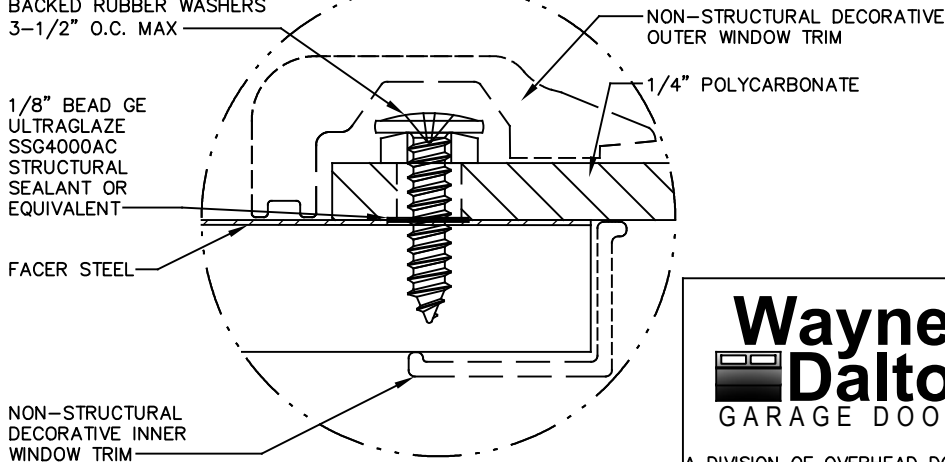
1. ALL U-BARS SHALL BE PLACED OVER INTEGRAL RIBS AND
ATTACHED THRU PRE-PUNCHED HOLES WITH (2) 1/4-14x5/8"
CRIMPTITE SCREWS AT EACH INTERMEDIATE HINGE LOCATION, (2)
1/4-14x7/8" SELF DRILLING CRIMPTITE SCREWS AT EACH END
CAP (EXCEPT BOTH U-BARS ON BOTTOM SECTION - SEE DETAIL
B AND D THIS SHEET), (2) 1/4-14x5/8" CRIMPTITE SCREWS
APPROXIMATELY MIDWAY BETWEEN END OF DOOR AND
INTERMEDIATE HINGE LOCATION, AND (1) 1/4-14x5/8" CRIMPTITE
SCREW APPROXIMATELY 8" FROM EACH END. THERE SHALL BE
A TOTAL OF (20) SCREWS ATTACHING EACH U-BAR EXCEPT
BOTH U-BARS ON BOTTOM SECTION SHALL HAVE A TOTAL OF
(18) SCREWS EACH.

2. WITH THE EXCEPTION OF THE (8) PRE-PUNCHED HOLES IN
THE TOP OF EACH END USED FOR ATTACHMENT OF THE ROLLER
SLIDES AND THE (6) PRE-PUNCHED HOLES IN THE BOTTOM OF
EACH END USED FOR THE ATTACHMENT OF THE TOP FIXTURE
AND UNLESS NOTED OTHERWISE ON THIS SPECIFICATION DRAWING,
ALL PRE-PUNCHED HOLES IN ALL U-BARS SHALL BE ATTACHED
TO THE DOOR WITH 1/4-14x5/8" CRIMPTITE SCREWS.

3. 20 GA U-BARS SHALL BE STAMPED "34" APPROXIMATELY 8"
FROM EACH END.



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DETAIL H

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STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: A				
DESIGN (PSF): +30.00/−33.50		MAX WIDTH: 18′−0″			DATE		NAME			
TEST (PSF): +45.00/−50.25		MAX HEIGHT: 8′−0″		DRAWN		3/3/06		GRT		
IMPACT/CYCLIC RATED (YES/NO): YES		MAX SECTION HEIGHT: 21″		CHECKED		4/6/06		MRB		
MODELS 5120/9100/9605					SHEET 2 OF 2					
					DRAWING PART NO.				REV.	
WINDLOAD SPECIFICATION OPTION CODE 0236					319024				F	

REVISIONS